



Existing Conditions



From this...



To this...



Under Construction

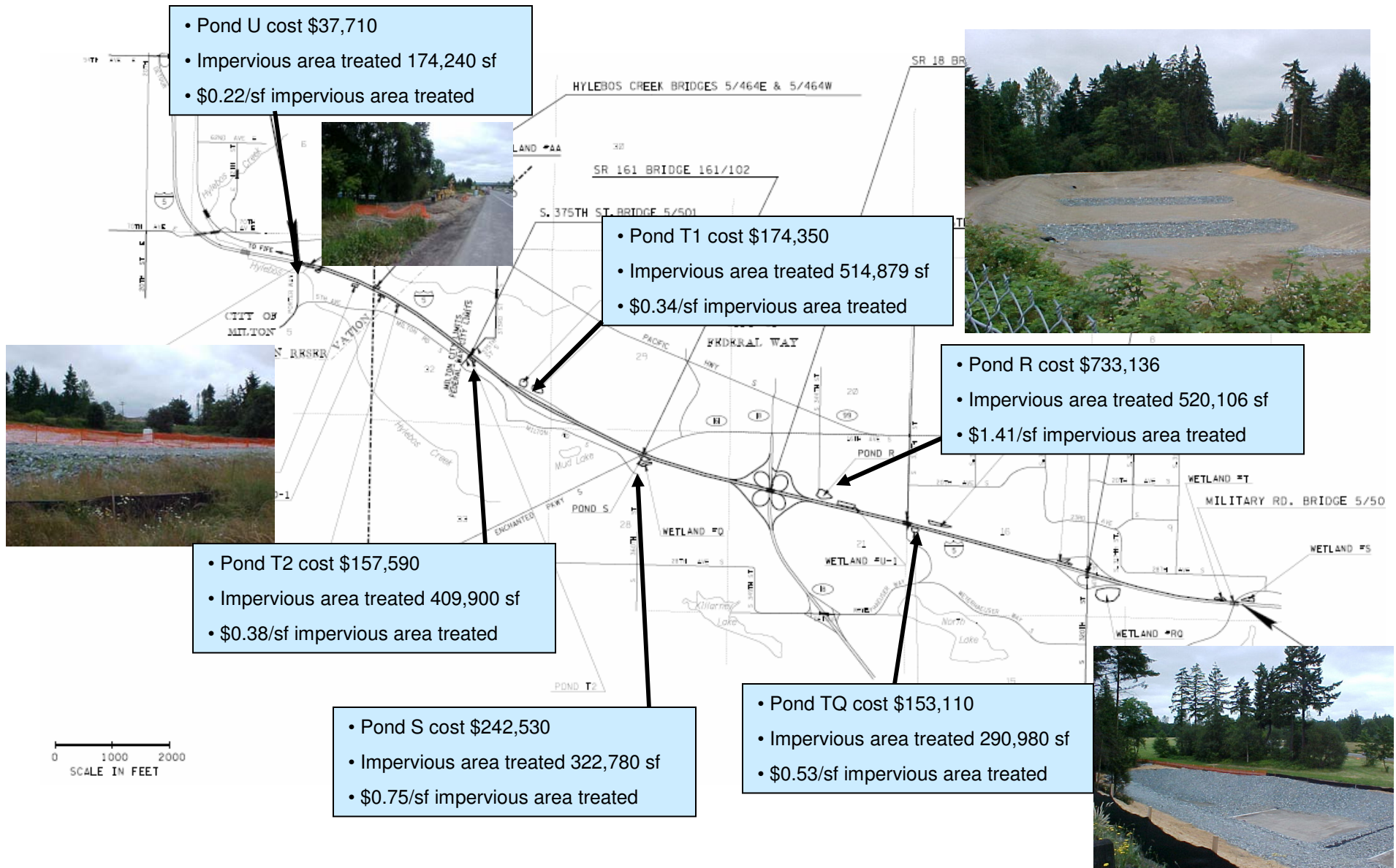
I-5 – HOV Pierce to Tukwila: Stage 4

This project widens I-5 between South 320th Street and the Pierce County line by adding a high occupancy vehicle (HOV) lane to both directions of the freeway for carpools, vanpools, and buses.

The widening for the HOV lanes is performed in the existing median; the only additional property required to complete this project was for managing the stormwater. This project is currently under construction and is expected to be completed in 2007.

The total project cost is \$38.7M for 7.76 new lane miles.

I-5 – HOV Pierce to Tukwila: Stage 4



I-5 – HOV Pierce to Tukwila: Stage 4 Stormwater Mitigation



Stormwater management is one of the first orders of work for construction. Stormwater ponds assist in controlling the sediment during construction activities and remain in place to manage the quantity and quality of future stormwater runoff from the highway. This project constructs six stormwater ponds to manage the runoff of 2,232,886 square feet of new and existing impervious surface for a total cost of \$1.5 million. The average cost of stormwater management is \$0.67 per square feet of impervious surface.

I-5 – HOV Pierce to Tukwila: Stage 4 Noise Mitigation



This project retrofits the existing freeway to mitigate for noise generated by traffic. The project will construct 37,226 square feet of noise wall for a total estimated cost of \$1,210,000. The estimated cost for the noise wall is \$32.50 per square feet.

I-5 – HOV Pierce to Tukwila: Stage 4

Cost Summary

Phase Costs	
Preliminary Engineering	\$2.4M
Right of Way	\$0.45M
Construction	\$35.8M
Total	\$38.7M

Mitigation Elements	All-in Mitigation Cost (*)	% of Total Project Cost
Noise	\$1.2M	3%
Stormwater	\$1.5M	4%
Subtotal of Mitigation Elements	\$2.7M	7%
All Other Items	\$36M	
Total	\$38.7M	

(*) All-in cost includes allocation of preliminary engineering, right of way, and construction cost.

3%

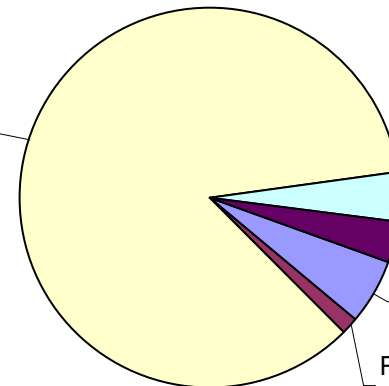


Noise – \$1.2M

4%



Stormwater – \$1.5M

All other
Construction
86%

Stormwater

4%

Noise

3%

Engineering

6%

Right of Way

1%

Mitigation 7%



Add two new HOV lanes;
\$5.0M per lane mile.

Total project cost is \$38.7M for
7.76 new lane miles.